



## **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/700,259  
Source: PCT/09  
Date Processed by STIC: 1/2/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

# Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/200,259
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 ____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 ____ Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 ____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 ____ Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 ____ Skipped Sequences (OLD RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 ____ Skipped Sequences (NEW RULES)	Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 ____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 ____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 ____ Use of <220>	Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 ____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

PCT09

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/700,259

DATE: 01/02/2002

TIME: 09:12:28

Input Set : A:\Margison.ST25.txt

Output Set: N:\CRF3\01022002\I700259.raw

**Does Not Comply  
Corrected Diskette Needed**

5 <110> APPLICANT: Margison, Geoffrey  
7 Marples, Brian  
9 Scott, Simon  
11 Hendry, Jolyon

15 <120> TITLE OF INVENTION: Gene Therapy Vectors and Their Use in Antitumor Therapy

19 <130> FILE REFERENCE: 40432/275388

OK 23 <140> CURRENT APPLICATION NUMBER: US/09/700,259

23 <141> CURRENT FILING DATE: 2000-11-14

23 <160> NUMBER OF SEQ ID NOS: 12

27 <170> SOFTWARE: PatentIn version 3.0

31 <210> SEQ ID NO: 1

33 <211> LENGTH: 10

35 <212> TYPE: DNA

37 <213> ORGANISM: synthetic construct

41 <400> SEQUENCE: 1

42 ccttatttgg

10

45 <210> SEQ ID NO: 2

47 <211> LENGTH: 69

49 <212> TYPE: DNA

51 <213> ORGANISM: synthetic construct

55 <400> SEQUENCE: 2

56 gatctcctta ttggcctta ttggcctta ttggcctta ttggcctta ttggcctta

60

58 ttggcgat

69

61 <210> SEQ ID NO: 3

63 <211> LENGTH: 64

65 <212> TYPE: DNA

67 <213> ORGANISM: synthetic construct

71 <400> SEQUENCE: 3

72 ggcccaaata aggccaaata aggccaaata aggccaaata aggccaaata aggccaaata

60

74 agga

64

77 <210> SEQ ID NO: 4

79 <211> LENGTH: 48

81 <212> TYPE: DNA

83 <213> ORGANISM: synthetic construct

87 <400> SEQUENCE: 4

88 gatctttatt tggccttatt tggccttatt tggccttatt tggcgat

48

91 <210> SEQ ID NO: 5

93 <211> LENGTH: 44

95 <212> TYPE: DNA

97 <213> ORGANISM: synthetic construct

101 <400> SEQUENCE: 5

102 cgcccaaata aggccaaata aggccaaata aggccaaata agga

44

105 <210> SEQ ID NO: 6

107 <211> LENGTH: 36

109 <212> TYPE: DNA

111 <213> ORGANISM: Homo sapiens

115 <400> SEQUENCE: 6

*see item 10 on Error Summary Sheet*

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/700,259

DATE: 01/02/2002

TIME: 09:12:28

Input Set : A:\Margison.ST25.txt

Output Set: N:\CRF3\01022002\I700259.raw

```

116 tccagatctc ccggttcgct ctcacggtcc ctgagg      36
119 <210> SEQ ID NO: 7
121 <211> LENGTH: 32
123 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
129 <400> SEQUENCE: 7
130 cggcgcgcgcg ctggatctct cgcgactccc cg      32
133 <210> SEQ ID NO: 8
135 <211> LENGTH: 42
137 <212> TYPE: DNA
139 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 8
144 actgcgatcg cgggcccggc ccggcccgcg tcccaggccc cc      42
147 <210> SEQ ID NO: 9
149 <211> LENGTH: 26
151 <212> TYPE: DNA
153 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 9
158 ccatcgatat ggcttcgtac cccggc      26
161 <210> SEQ ID NO: 10
163 <211> LENGTH: 40
165 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 10
172 aaggaaaaaa gcgccgcct ccttcctgtt ttcaattagc      40
175 <210> SEQ ID NO: 11
177 <211> LENGTH: 83
179 <212> TYPE: DNA
181 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 11
186 gatctagggc cggacgtggg gcccctagg cacgctgagt gcgtgcggga ctcgagtagc      60
188 gtgacggagc cccgcgatgc gat      83
191 <210> SEQ ID NO: 12
193 <211> LENGTH: 77
195 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
201 <400> SEQUENCE: 12
202 cgcacgcggg ggctccgtca cgtactccga gtccgcacg cactcagcgt gcctacgggg      60
204 cccacgtcc ggcccta      77

```

## VERIFICATION SUMMARY

DATE: 01/02/2002

PATENT APPLICATION: US/09/700,259

TIME: 09:12:29

Input Set : A:\Margison.ST25.txt

Output Set: N:\CRF3\01022002\I700259.raw

L:23 M:270 C: Current Application Number differs, Replaced Current Application No

L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date